

WE CLAIM:

1. Reinforcing fibers having an applied chemical treatment wherein said applied chemical treatment is applied as an aqueous treatment comprising an emulsified polyester resin, a curing agent, a film former, a thickener polymer, and water.
2. The product of claim 1 wherein the applied chemical treatment is dried.
3. The product of claim 1 wherein the emulsified polyester resin is PE412.
4. The product of claim 1 wherein the curing agent is a peroxide.
5. The product of claim 1 wherein the curing agent is chosen from the group consisting of benzoyl peroxide, dieumyl peroxide, and mixtures thereof.
6. The product of claim 1 wherein the film former is a vinyl polymer.
7. The product of claim 1 wherein the film former is a polyvinyl acetate.
8. The product of claim 1 wherein the film former is Duracet 675-01.
9. The product of claim 1 wherein the thickener is a water soluble polymer.
10. The product of claim 1 wherein the thickener is an acrylic polymer.
11. The product of claim 1 wherein the thickener is chosen from a group consisting of Carbopol 941, Carbopol 981, and mixtures thereof.
12. The product of claim 1 wherein the water is deionized water.
13. The product of claim 2 wherein said reinforcing fibers form a strand having the applied chemical treatment.

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14. A reinforcing fiber mat comprising the reinforcing fibers of claim 13.
15. A composite comprising a polymer matrix and the reinforcing fiber mat of claim 14.